Initial Application Part I

Received: **02/11/2020**

This application is placed in file for record. It MAY or MAY NOT have been reviewed to be determined Administratively Complete

K8Q35-200211-C-1080

Revised March 23, 2017

RECEIVED: 2/11/20	REVIEWER: BLL	TYPE: SWD	APP NO: pBL2004329759

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Geological & Engineering Bureau –
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Solaris Water Midstream, LLC **OGRID Number:** 371643
Well Name: Sims 8 SWD #1 **API:** 30-025
Pool: SWD; Devoniam- Silurian **Pool Code:** 97869

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

SWD-2371

B. Check one only for [I] or [II]
[I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ☒ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ☒ Application requires published notice
D. ☒ Notification and/or concurrent approval by SLO
E. ☒ Notification and/or concurrent approval by BLM
F. ☒ Surface owner
G. ☒ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Whitney McKee
Print or Type Name

Signature

1-15-2020
Date

432-203-9020 ext 9005
Phone Number

whitney.mckee@solarismidstream.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __XXX__Disposal _____Storage
Application qualifies for administrative approval? ___XXX___Yes _____No

II. OPERATOR: ___Solaris Water Midstream, LLC_____

ADDRESS: ____907 Tradewinds Blvd., Suite B, Midland TX 79706_____

CONTACT PARTY: __Whitney McKee_____PHONE: __432-203-9020 ext 9005_

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes _XXX_____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

VIII. VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Whitney McKee_____TITLE: _Regulatory Specialist_____

SIGNATURE:  _____DATE: ___1-15-2020_____

E-MAIL ADDRESS: _whitney.mckee@solarismidstream.com_____

XV. If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA See Addendum

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE See Addendum

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

SOLARIS
WATER MIDSTREAM

January 15th, 2020

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Ms. Adrianne Sandoval, Director

Re: Application of Solaris Water Midstream, LLC to drill and permit for saltwater disposal Slms 8 SWD Well #1, to be located in Section 8, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico.

Dear Ms. Sandoval,

Please find the enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request for saltwater disposal. The well will be operated as a commercial endeavor offering operators in the area additional options for produced water disposal.

Solaris Water Midstream is a major provider of saltwater disposal services to operators in southeast New Mexico and seeks to optimize efficiency, both economically and operationally, of all its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

I would point out that this application for a proposed Devonian SWD interval is part of a larger produced water recycling facility. A published legal notice will run this week in the Hobbs News Sun and all offset operators and other interested parties have been notified individually. The legal notice affidavit will be forwarded upon receipt. This application also includes a wellbore schematic, area of review maps, affected party plat and other required information for a complete Form C-108. The well is located on State Trust Land and minerals. There are state lands & minerals within the one-mile radius notice area; the State Land Office and offset operators have been notified of this application.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Thank you,

Whitney McKee

Solaris Water Midstream, LLC

Regulatory Specialist

Side 1

INJECTION WELL DATA SHEET

OPERATOR: ___Solaris Water Midstream, LLC_____

WELL NAME & NUMBER: ___Sims 8 SWD #1_____

WELL LOCATION: _____900' FSL & 270' FWL_____8_____20 S_____36 E_____
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: ____18.125"_____ Casing Size:____16"_____

Cemented with: _4146_____ sx. ***or*** _____ ft^3

Top of Cement: ___Surface_____ Method Determined: __Circulate___

Intermediate Casing

Hole Size: __14.75" & 12.25"_____ Casing Size:__13.375"@ 3655'

Cemented with: __4461_____ sx. 9.875" @ 10125'

Top of Cement: ___Surface_____ Method Determined: __Circulate_____

Production Casing

Hole Size: _____8.5"_____ Casing Size:_____

Cemented with: _103_____ sx. ***or*** _____ ft^3

Top of Cement: __9925'_____ Method Determined: _____

Total Depth: __Liner @ 12005' & TD @13730_____

Injection Interval

_6.5" Hole Size_____12005_____feet to____13730'_____

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: _____4.5"_____Lining Material: ____Duoline Glassbore_____

Type of Packer: __Nickel Alloy Permanent_____

Packer Setting Depth: ____11905'_____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _XXX___Yes _____No

   If no, for what purpose was the well originally drilled? _____

   _____

2. Name of the Injection Formation: __Devonian-Silurian_____

3. Name of Field or Pool (if applicable): _SWD; Devonian - Silurian_____

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. __NO_____

   _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: ___Over: Queen (4275'), Penrose (4375'), San Andres (4575'), Bone Spring (6975'), Wolfcamp (10100'), Atoka (10475'), Morrow (10950'), Barnett (11250')
   Under: None_____

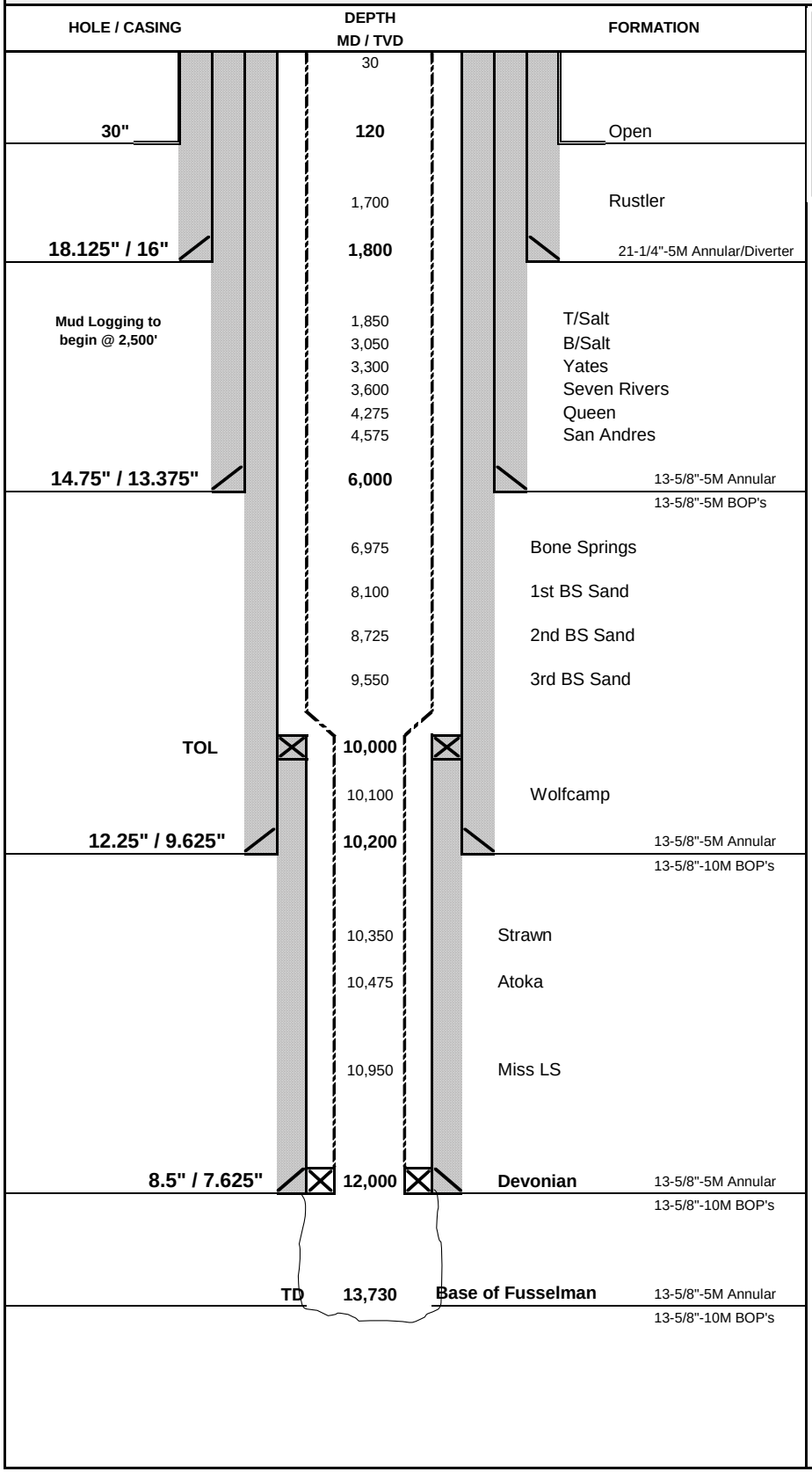
   _____

   _____

SOLARIS WATER MIDSTREAM, LLC

SIMS 8 SWD #1

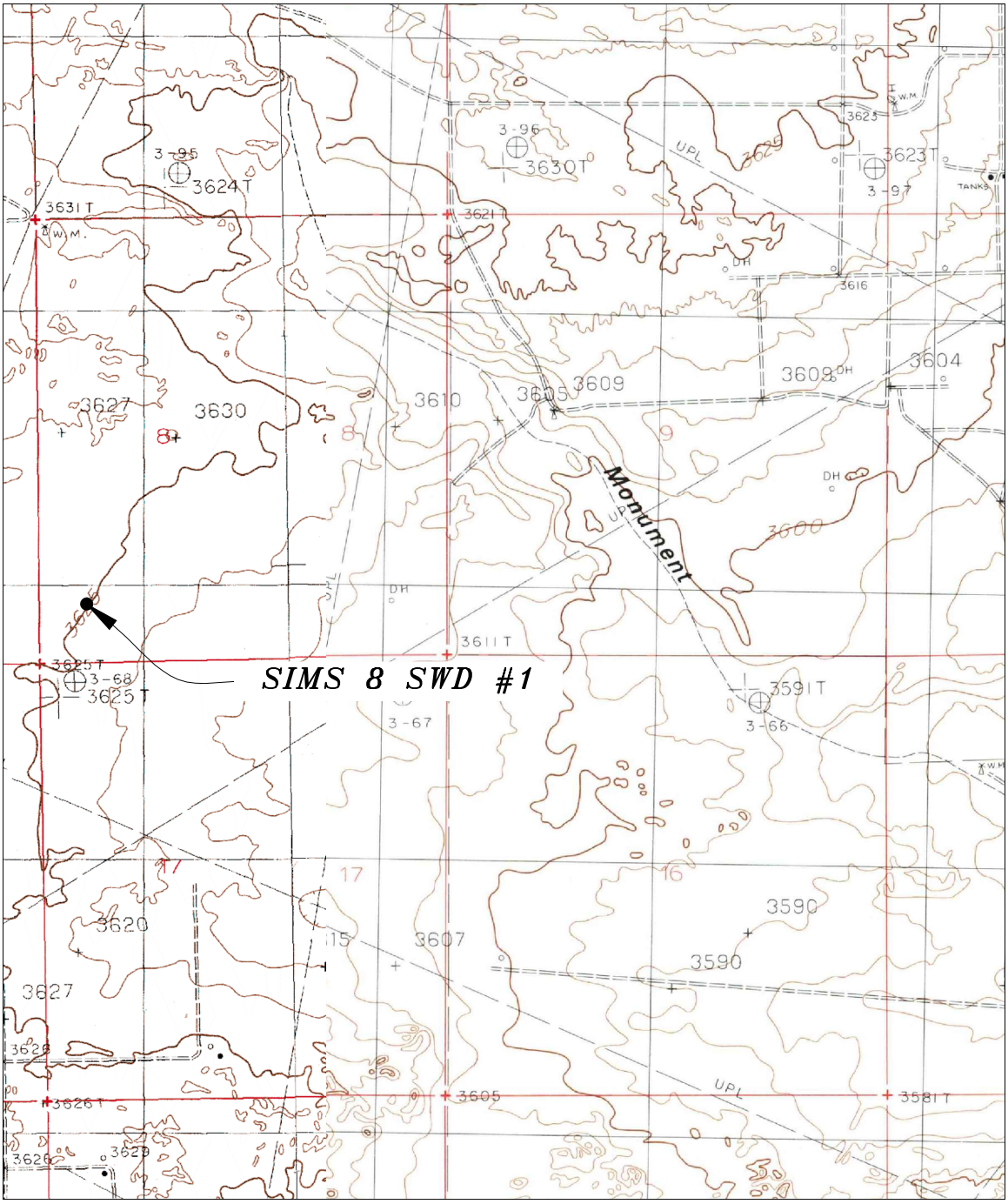
WELLBORE DATA SHEET



LOCATION	Sec 8, T20S - R36E
SHL	900' FSL & 270' FWL
COORDS	32.582955, -103.384199
COUNTY	LEA
STATE	NEW MEXICO
SURFACE ELEV.	3,630'
TOTAL DEPTH	13,730'

Formation Tops	SS	TVD
Rustler	1942	1700
T/Salt	1792	1850
B/Salt	592	3050
Yates	342	3300
Seven Rivers	42	3600
Queen	-633	4275
San Andres	-933	4575
Bone Spring	-3333	6975
1st BS Sand	-4458	8100
2nd BS Sand	-5083	8725
3rd BS Sand	-5908	9550
Wolfcamp	-6458	10100
Strawn	-6708	10350
Atoka	-6833	10475
Miss LS	-7308	10950
Devonian	-8358	12000
T/Montoya	-10283	13925
Injection Interval	**12005**	**13730**

LOCATION VERIFICATION MAP

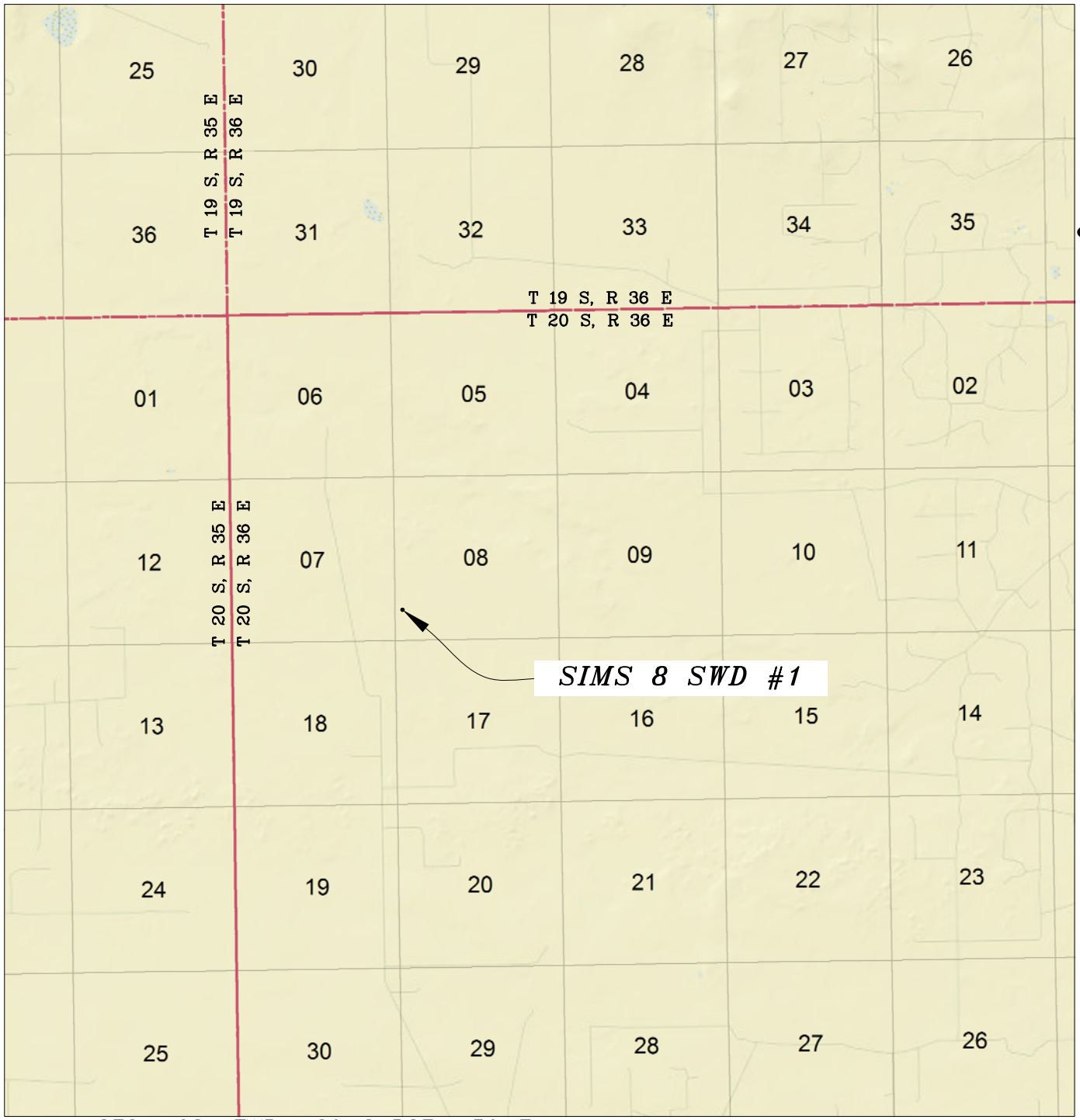


SCALE: 1" = 2000' CONTOUR INTERVAL: 10'

SEC. 08 TWP. 20-S RGE. 36-E
SURVEY N.M.P.M.
COUNTY LEA STATE NEW MEXICO
DESCRIPTION 900' FSL & 270' FWL
ELEVATION 3,630.3'
OPERATOR SOLARIS WATER MIDSTREAM, LLC
LEASE SIMS 8 SWD #1
U.S.G.S. TOPOGRAPHIC QUAD MAP
LEA, N.M.

SOLARIS WATER MIDSTREAM, LLC		
SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1	
DRAFTING DATE: OCTOBER 18, 2019		
APPROVED BY: RLM	DRAWN BY: DDSI	FILE: SIMS 8 SWD #1

VICINITY MAP



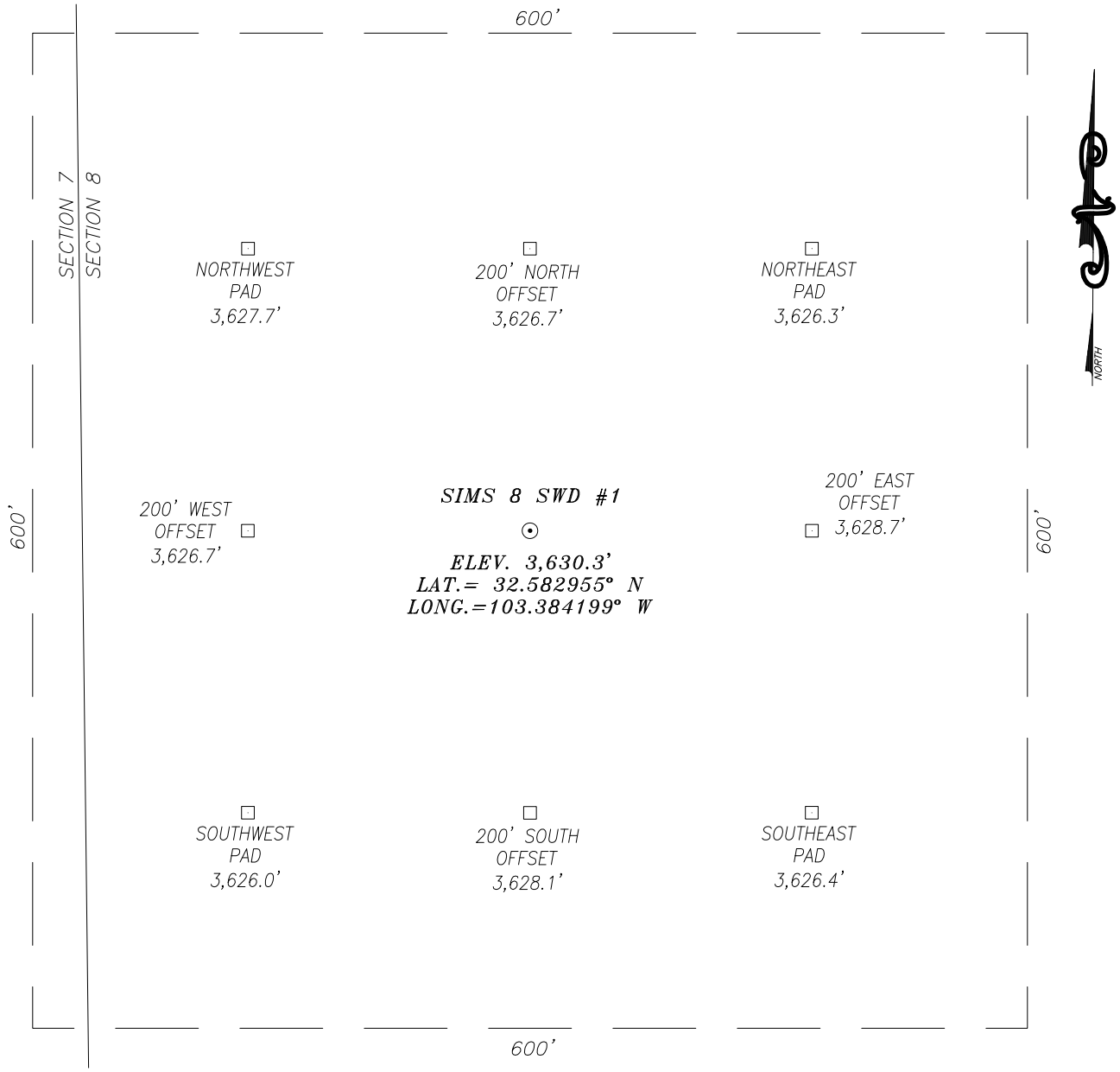
SEC. 08 TWP. 20-S RGE. 36-E
SURVEY N.M.P.M.
COUNTY LEA STATE NEW MEXICO
DESCRIPTION 900 FSL & 270' FWL
ELEVATION 3,630.3'
OPERATOR SOLARIS WATER MIDSTREAM, LLC
LEASE SIMS 8 SWD #1
U.S.G.S. TOPOGRAPHIC QUAD MAP
LEA, N.M.

SCALE: 1" = 1 MILE

SOLARIS WATER MIDSTREAM, LLC		
SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1	
DRAFTING DATE: OCTOBER 18, 2019		
APPROVED BY: RLM	DRAWN BY: DDSI	FILE: SIMS 8 SWD #1

SECTION 8, TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,

LEA COUNTY NEW MEXICO



DIRECTIONS TO LOCATION:

FROM HWY 176 AND COUNTY RD 30 (A.K.A. PEARSON RD) TRAVEL NORTH 4.3 MILES ON PEARSON ROAD, TURN LEFT ON LEASE RD, AND CONTINUE FOR 1.1 MILES, TURN RIGHT ON LEASE RD, AND CONTINUE FOR 2.4 MILES, TURN RIGHT ON LEASE RD, AND CONTINUE FOR APPROXIMATELY 0.4 MILES TO SIMS 8 SWD #1.

NOTE:
ELEVATIONS SHOWN ARE RELATED TO N.A.V.D. 1988 AS DERIVED FROM GPS OBSERVATION FROM AN OPUS SOLUTION 10/03/2019

100 0 100 200 Feet

Scale: 1"=100'

DOWNTOWN DESIGN SERVICES, INC.
16 EAST 16th STREET SUITE 400
TULSA, OK 74119
Tel: 918-592-3374 Fax: 918-221-3940
www.ddsiglobal.com

SOLARIS WATER MIDSTREAM, LLC

SIMS 8 SWD #1
LOCATED 900 FEET FROM THE SOUTH LINE
AND 270' FEET FROM THE WEST LINE OF SECTION 8,
TOWNSHIP 20 SOUTH, RANGE 36 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: OCTOBER 15, 2019	PAGE: 1 OF 1
DRAFTING DATE: OCTOBER 18, 2019	
APPROVED BY: RLM / DRAWN BY: DDSI	FILE: SIMS 8 SWD #1

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. First St., ARTESIA, NM 88210
Phone: (575 749-1283 Fax: (575) 748-9720
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011
Submit one copy to Appropriate District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
	97869	SWD; DEVONIAN – SILURIAN

Property Code	Property Name	Well Number
	SIMS 8 SWD #1	#1

OGRID No.	Operator Name	Elevation
371643	SOLARIS WATER MIDSTREAM, LLC	3630.3'

Surface Location

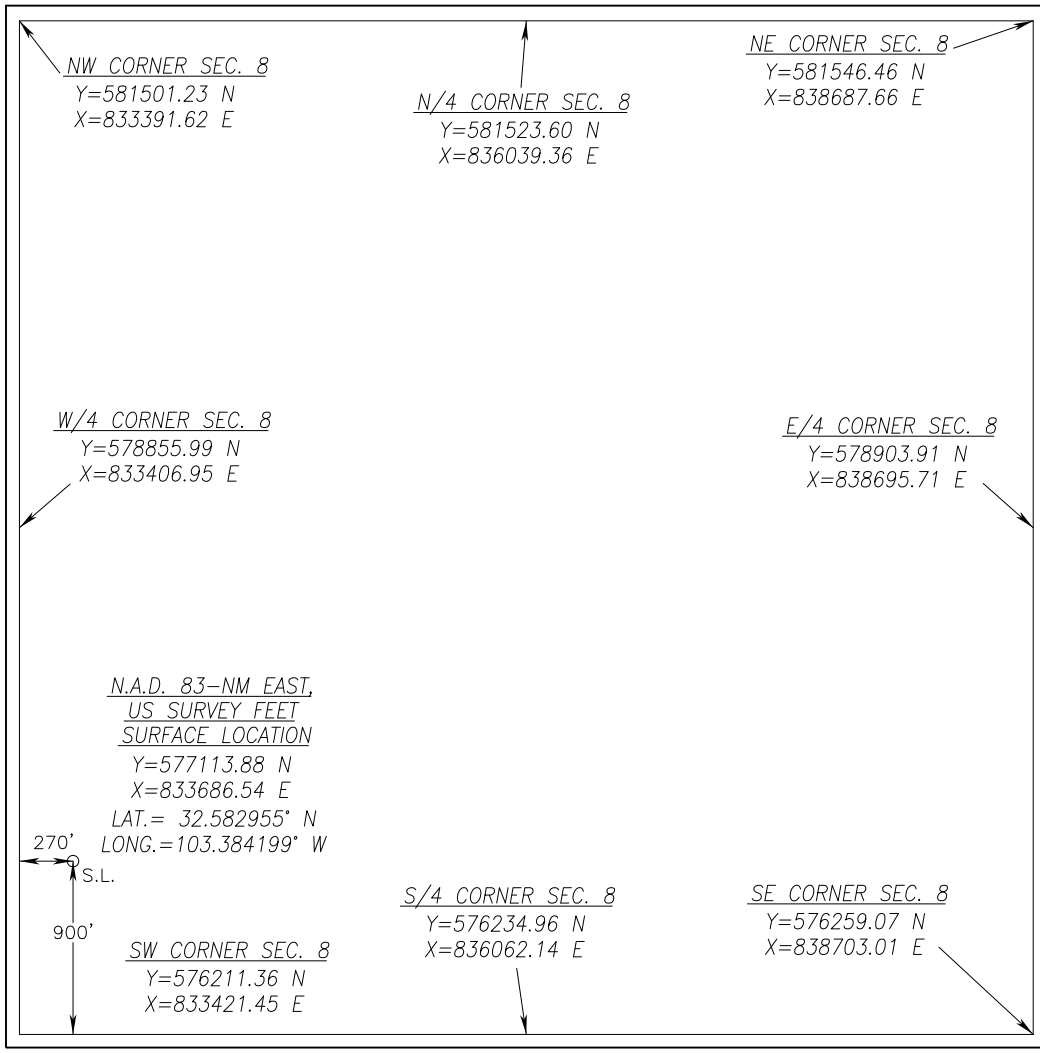
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
–	8	20–S	36–E		900	SOUTH	270	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
–	8	20–S	36–E		900	SOUTH	270	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
3.67			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Date

Printed Name

E-mail address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

OCTOBER 21, 2019
Date Surveyed

Signature & Seal of Professional Surveyor

CHRIS E. CARLSON NEW MEXICO 24876 PROFESSIONAL SURVEYOR

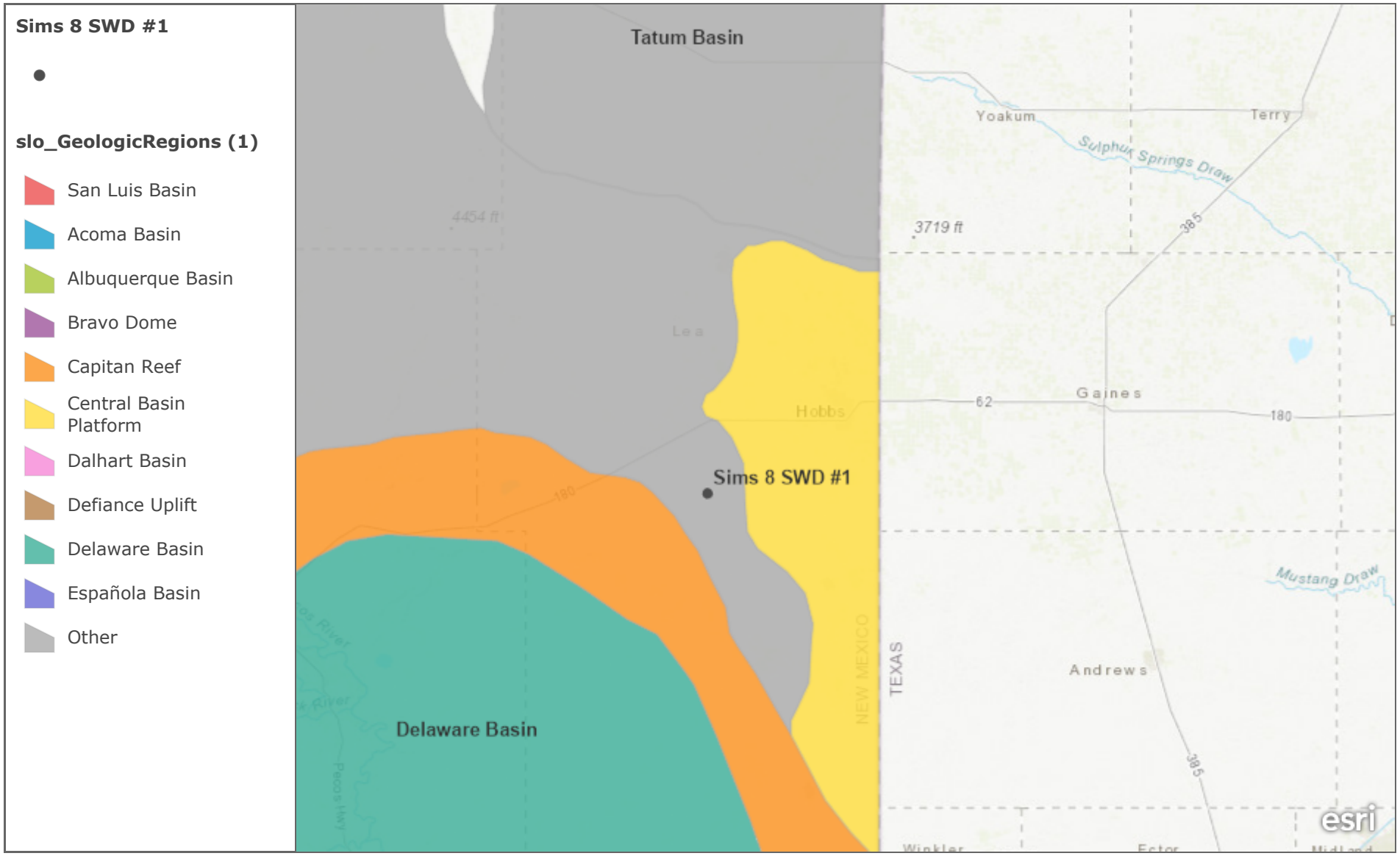
Certificate No. CHRIS E. CARLSON 24876

C- 108 Item VI
Area of Review Well Data

Sims 8 SWD #1

There are no wells which penetrate the proposed Devonian formation in the one mile area of review.

Sims 8



Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

Sims 8

Sims 8 SWD #1

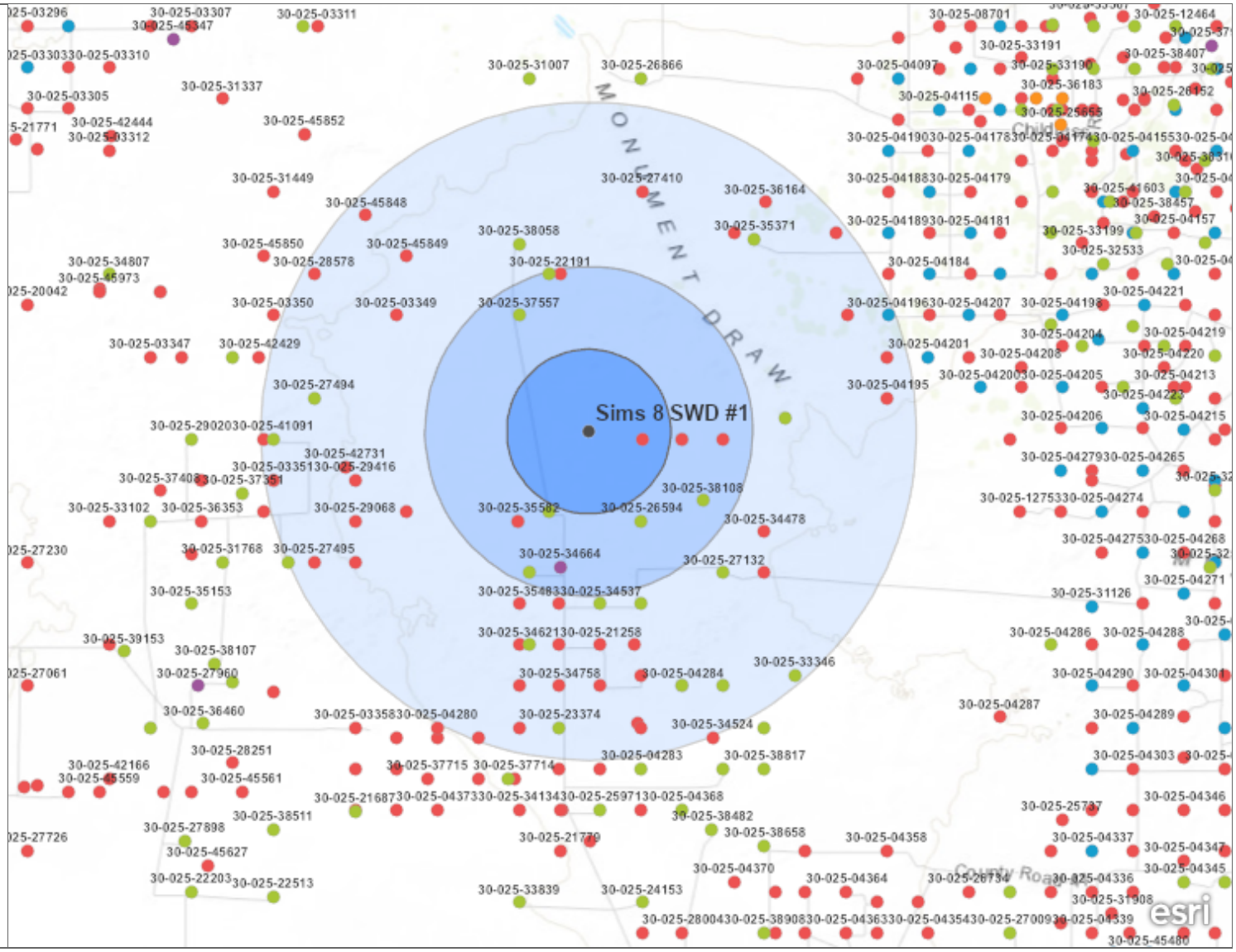
NM_Wells_District_1_

- Oil
- Injection
- Gas
- SWD
- Misc
- Water

_5_mile_Buffer_of_Sims_8_SWD

1_mile_Buffer_of_Sims_8_SWD

2_mile_Buffer_of_Sims_8_SWD



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA

Extract_Data_Jan_30__2020__2_19_55_PM

API	wellname	well_type	ulstr	ogrid	ogrid_name	status	tot_depth	spud_date	plug_date	eff_date	apr_date	spud_year	pool_id_li	symbology	URL
30-025-26594	AMERADA FEDERAL #002	G	F-17-20S-36E	9892	HAMON OPERATING CO	P	11133	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-26594
30-025-26502	STATE E 8913 #002	O	K-20-20S-36E	9892	HAMON OPERATING CO	P	11478	12/31/9999	8/11/1986	12/28/1998	10/1/1980	9999	[82160] OSUDO, MORROW, NORTH (GAS)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-26502
30-025-21799	AMERADA FEDERAL #001	G	N-17-20S-36E	9892	HAMON OPERATING CO	P	11580	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-21799
30-025-42731	TAYBERRIES 13 STATE #501H	O	B-13-20S-35E	7377	EOG RESOURCES INC	A	10015	11/25/2015	12/31/9999	8/13/2015	8/12/2015	2015	[24270] FEATHERSTONE, BONE SPRING, EAST	OA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-42731
30-025-22191	MALLARD ALVES #001	G	P-06-20S-36E	155615	NADEL AND GUSSMAN PERMIAN, LLC	P	12298	8/24/1995	1/11/2005	12/1/1997	8/18/1995	1995	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-22191
30-025-35582	EXODUS STATE #001	O	G-18-20S-36E	21602	TRILOGY OPERATING INC	C	0	12/31/9999	12/31/9999	1/23/2003	6/7/2001	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-35582
30-025-27132	AMERADA FEDERAL #003	G	I-17-20S-36E	21602	TRILOGY OPERATING INC	P	11320	12/31/9999	5/13/1997	2/22/1996	6/1/1981	9999	[82160] OSUDO, MORROW, NORTH (GAS); [96838] DRY AND ABANDONED	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27132
30-025-35483	JEANNIE STATE #001	O	O-18-20S-36E	21602	TRILOGY OPERATING INC	P	4610	4/7/2001	10/26/2004	3/30/2001	3/30/2001	2001	[96838] DRY AND ABANDONED	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-35483
30-025-34553	GENESIS STATE #001	O	P-18-20S-36E	21602	TRILOGY OPERATING INC	P	4400	12/23/1998	1/6/2009	12/22/1998	12/22/1998	1998	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34553
30-025-38546	PALOMA 20 STATE COM #002H	G	H-20-20S-36E	14744	MEWBOURNE OIL CO	C	999	12/31/9999	12/31/9999	11/26/2008	9/11/2007	9999	[82160] OSUDO, MORROW, NORTH (GAS)	GC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-38546
30-025-38058	NORTH OSUDO 6 #001	G	J-06-20S-36E	14744	MEWBOURNE OIL CO	A	12550	11/15/2006	12/31/9999	8/10/2006	8/10/2006	2006	[82160] OSUDO, MORROW, NORTH (GAS)	GA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-38058
30-025-34622	ARCO-HALL STATE #003	O	K-20-20S-36E	25482	XERIC OIL & GAS CORP	P	4250	6/12/1999	4/13/2004	5/12/1999	5/12/1999	1999	[76480] EUMONT, YATES-7 RVRS-QUEEN (GAS)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34622
30-025-35947	LIBERTY 4 #002	O	J-04-20S-36E	18917	READ & STEVENS INC	P	9400	7/24/2002	8/5/2004	7/16/2002	7/16/2002	2002	[97242] WILDCAT G-05 S203604J, BONE SPRING	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-35947
30-025-35371	LIBERTY 4 #001	G	L-04-20S-36E	18917	READ & STEVENS INC	A	13630	4/26/2001	12/31/9999	1/26/2001	1/26/2001	2001	[97155] OSUDO, DEVONIAN, NORTH	GA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-35371
30-025-35847	KLEIN 5 #001	O	I-05-20S-36E	18917	READ & STEVENS INC	P	10933	3/1/2002	10/21/2013	2/26/2002	2/26/2002	2002	[97155] OSUDO, DEVONIAN, NORTH; [97762] WILDCAT G-06 S203605I, STRAWN	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-35847
30-025-36164	LIBERTY 4 #003	O	E-04-20S-36E	18917	READ & STEVENS INC	P	7200	2/27/2003	7/3/2003	2/21/2003	2/21/2003	2003	[96838] DRY AND ABANDONED	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-36164
30-025-26803	ROUNTREE #001	O	N-08-20S-36E	24961	WESTERN OIL PRODUCERS INC	P	11688	8/29/1980	4/8/2005	3/1/1998	11/20/1996	1980	[48040] OSUDO, BONE SPRING, NORTH	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-26803
30-025-29416	AMOCO STATE #002	O	B-13-20S-35E	13954	MANZANO OIL CORP	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-29416
30-025-31883	SIMS STATE #001	O	M-12-20S-35E	13954	MANZANO OIL CORP	P	11532	1/29/1993	5/25/1994	6/13/1994	4/1/1993	1993	[66053] LEA UNDESIGNATED, GROUP 2	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-31883
30-025-34902	AMOCO STATE #002	O	H-13-20S-35E	13954	MANZANO OIL CORP	C	0	12/31/9999	12/31/9999	1/23/2003	1/27/2000	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34902
30-025-29068	AMOCO STATE #001	O	G-13-20S-35E	13954	MANZANO OIL CORP	P	11200	12/31/9999	5/15/2000	2/1/1985	2/1/1985	9999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-29068
30-025-34621	LISA STATE #002	O	B-19-20S-36E	236790	XOG OPERATING LLC	P	4900	6/2/1999	7/8/2008	4/1/2006	5/12/1999	1999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34621
30-025-34664	GENESIS STATE #003	S	I-18-20S-36E	236790	XOG OPERATING LLC	A	4850	8/25/1999	12/31/9999	4/1/2006	7/23/1999	1999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	SA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34664
30-025-33346	OXY TIGER FEDERAL COM #001	G	F-21-20S-36E	16696	OXY USA INC	P	11100	6/5/1997	2/25/1999	2/25/1999	3/11/1996	1997	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-33346
30-025-41091	RANGER 12 STATE #001	G	M-12-20S-35E	228937	MATADOR PRODUCTION COMPANY	P	11920	4/22/2013	2/13/2018	4/4/2013	4/4/2013	2013	[24270] FEATHERSTONE, BONE SPRING, EAST; [80060] LEA, WOLFCAMP (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-41091
30-025-37491	RED RAIDER STATE #002	O	G-19-20S-36E	229137	COG OPERATING LLC	P	10202	11/23/2005	6/19/2009	10/7/2005	10/7/2005	2005	[24270] FEATHERSTONE, BONE SPRING, EAST	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-37491
30-025-37557	OSUDO 7 STATE #001	G	B-07-20S-36E	229137	COG OPERATING LLC	A	12500	2/5/2006	12/31/9999	11/16/2005	11/16/2005	2006	[82160] OSUDO, MORROW, NORTH (GAS)	GA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-37557
30-025-25143	OSUDO STATE COM #001	G	J-18-20S-36E	229137	COG OPERATING LLC	A	11700	12/31/9999	12/31/9999	9/1/2005	1/1/1977	9999	[82160] OSUDO, MORROW, NORTH (GAS)	GA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-25143
30-025-37713	RED RAIDER STATE #003	G	B-19-20S-36E	229137	COG OPERATING LLC	C	0	12/31/9999	12/31/9999	12/21/2009	2/17/2006	9999	[82160] OSUDO, MORROW, NORTH (GAS)	GC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-37713
30-025-36871	RED RAIDER STATE #001	O	K-19-20S-36E	229137	COG OPERATING LLC	P	11911	11/1/2004	5/18/2015	7/25/2005	9/15/2004	2004	[24270] FEATHERSTONE, BONE SPRING, EAST; [82160] OSUDO, MORROW, NORTH (GAS)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-36871
30-025-04196	REED SANDERSON UNIT #016	I	A-09-20S-36E	6137	DEVON ENERGY PRODUCTION COMPANY, LP	P	10640	12/31/9999	4/3/2013	6/2/2011	1/1/1900	9999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	IP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04196
30-025-21258	STATE E #001	O	D-20-20S-36E	4323	CHEVRON U S A INC	A	11457	3/3/1965	12/31/9999	10/9/2012	2/8/1996	1965	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-21258
30-025-45848	CENTAUR 0112 STATE COM #002H	O	J-01-20S-35E	373013	Ridge Runner Resources Operating, LLC	N	0	12/31/9999	12/31/9999	4/25/2019	4/25/2019	9999	[96585] WC-025 G-06 S203511G, BONE SPRING	ON	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-45848
30-025-45849	CENTAUR 0112 STATE COM #003H	O	P-01-20S-35E	373013	Ridge Runner Resources Operating, LLC	N	0	12/31/9999	12/31/9999	4/25/2019	4/25/2019	9999	[96585] WC-025 G-06 S203511G, BONE SPRING	ON	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-45849
30-025-26733	ADAMS 16 STATE #001	O	L-16-20S-36E	169415	FALCON CREEK RESOURCES, INC.	P	11145	5/22/1980	8/20/1998	7/16/1998	7/16/1998	1980		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-26733
30-025-34478	FCR 16 STATE #001	O	E-16-20S-36E	169415	FALCON CREEK RESOURCES, INC.	C	0	12/31/9999	12/31/9999	6/7/2000	7/31/1998	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34478
30-025-34475	FCR 20 STATE #002	O	F-20-20S-36E	4323	CHEVRON U S A INC	P	4900	5/24/1999	9/1/2017	10/9/2012	7/29/1998	1999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34475
30-025-34537	FALCON CREEK 17 FEDERAL #001	G	M-17-20S-36E	147179	CHESAPEAKE OPERATING, INC.	P	4200	12/8/1998	6/29/2005	12/18/2001	11/30/1998	1998	[76480] EUMONT, YATES-7 RVRS-QUEEN (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34537
30-025-34511	FCR 20 STATE #003	O	G-20-20S-36E	147179	CHESAPEAKE OPERATING, INC.	P	4200	10/12/1998	4/16/2012	12/18/2001	10/2/1998	1998	[76480] EUMONT, YATES-7 RVRS-QUEEN (GAS)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34511
30-025-34474	FCR 20 STATE #001	O	C-20-20S-36E	147179	CHESAPEAKE OPERATING, INC.	P	4150	8/10/1998	4/12/2012	12/18/2001	7/29/1998	1998	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34474
30-025-34559	LISA STATE #001	O	A-19-20S-36E	371553	BLUE RUBY OPERATING, LLC	A	4890	3/31/1999	12/31/9999	2/4/2019	12/28/1998	1999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34559
30-025-34758	LISA STATE #003	O	H-19-20S-36E	371553	BLUE RUBY OPERATING, LLC	A	4200	12/20/1999	12/31/9999	2/4/2019	11/8/1999	1999	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OA	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-34758
30-025-27362	PRE-ONGARD WELL #001	O	O-08-20S-36E	214263	PRE-ONGARD WELL OPERATOR	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27362
30-025-27495	PRE-ONGARD WELL #001	O	K-13-20S-35E	214263	PRE-ONGARD WELL OPERATOR	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27495
30-025-28578	PRE-ONGARD WELL #001	O	N-01-20S-35E	214263	PRE-ONGARD WELL OPERATOR	P	10900	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-28578
30-025-04194	PRE-ONGARD WELL #001	O	H-09-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4300	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[22800] EUMONT, YATES-7 RVRS-QUEEN (OIL)	OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04194
30-025-04197	PRE-ONGARD WELL #002	O	B-09-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4375	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04197
30-025-38108	MONUMENT 17 #001	G	A-17-20S-36E	115970	UNIT PETROLEUM CO	P	99999	1/6/2007	3/27/2007	9/1/2006	9/1/2006	2007	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-38108
30-025-38258	MONUMENT 9 FEDERAL #001	G	M-09-20S-36E	115970	UNIT PETROLEUM CO	C	0	12/31/9999	12/31/9999	12/17/2013	12/1/2006	9999	[82160] OSUDO, MORROW, NORTH (GAS)	GC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-38258
30-025-37886	SIMS 13 STATE #003	O	F-13-20S-35E	147179	CHESAPEAKE OPERATING, INC.	C	0	12/31/9999	12/31/9999	12/21/2009	5/24/2006	9999	[24270] FEATHERSTONE, BONE SPRING, EAST	OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-37886
30-025-04284	PRE-ONGARD WELL #001	G	G-20-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4100	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[76480] EUMONT, YATES-7 RVRS-QUEEN (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04284
30-025-27410	PRE-ONGARD WELL #001	O	F-05-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	11620	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27410
30-025-20989	PRE-ONGARD WELL #001	O	D-13-20S-35E	214263	PRE-ONGARD WELL OPERATOR	P	10985	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-20989
30-025-23374	PRE-ONGARD WELL #001	G	I-19-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	11600	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-23374
30-025-04193	PRE-ONGARD WELL #001	O	P-08-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4400	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04193
30-025-04285	PRE-ONGARD WELL #001	O	E-20-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4070	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04285
30-025-27456	PRE-ONGARD WELL #002	G	H-18-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	11882	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82160] OSUDO, MORROW, NORTH (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27456
30-025-24793	PRE-ONGARD WELL #001	O	G-18-20S-36E	214263	PRE-ONGARD WELL OPERATOR	C	0	12/31/9999	12/31/9999	1/1/1900	1/1/1900	9999		OC	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-24793
30-025-28019	PRE-ONGARD WELL #001	O	O-08-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	8800	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-28019
30-025-04192	PRE-ONGARD WELL #001	O	P-06-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4962	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04192
30-025-04195	PRE-ONGARD WELL #002	O	I-09-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4160	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04195
30-025-04281	PRE-ONGARD WELL #001	O	J-19-20S-36E	214263	PRE-ONGARD WELL OPERATOR	P	4048	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-04281
30-025-27494	PRE-ONGARD WELL #001	G	K-12-20S-35E	214263	PRE-ONGARD WELL OPERATOR	P	13050	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900	[82240] OSUDO, MORROW, WEST (GAS)	GP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-27494
30-025-03349	PRE-ONGARD WELL #001	O	A-12-20S-35E	214263	PRE-ONGARD WELL OPERATOR	P	4991	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-03349
30-025-03351	PRE-ONGARD WELL #001	O	D-13-20S-35E	214263	PRE-ONGARD WELL OPERATOR	P	5010	1/1/1900	1/1/1900	1/1/1900	1/1/1900	1900		OP	https://wwwapps.emnrd.state.nm.us/ocd/ocdpermitting/Data/WellDetails.aspx?api=30-025-03351

C- 108 Item X
Logs and Available Test Data

Sims 8 SWD #1

A Standard Suite of Logs will be run after drilling the well and submitted to the Division.

C- 108 Item VII
Proposed Operation

Sims 8 SWD #1

Commercial SWD Facility

Upon approval of all permits for SWD, operations would begin within 30 days. Completion of the well operations will take approximately 6-8 weeks. Facility construction including installation of the tank battery, berms, plumbing and other and associated equipment would be occurring during the same interval but at a different location from the well. In any event, it is not expected for the construction phase of the project to last more than 60 days, depending on availability of contractors and equipment.

Configure for Salt Water Disposal
Prior to commencing any work, an NOI sundry(ies) will be submitted to configure the well for SWD and will detail the completion workover including all work otherwise described above, any change to the procedure noted herein and to perform mechanical integrity pressure test per OCD test procedures. (Notify NMOCD 24 hours prior.) The casing/tubing annulus will be monitored for communication with injection fluid or loss of casing integrity.

Operational Summary
The SWD facility will not be fenced so that trucks may access for load disposal 24/7.

The well and injection equipment will be a closed system and equipped with pressure limiting devices and volume meters. The annulus, loaded with an inert, anti-corrosion packer fluid, will be monitored for pressure.

The tanks will be equipped with telemetry devices and visual alarms to alert the operator and customers of full tanks or an overflow situation.

Anticipated daily maximum volume is 40,000 bpd and an average of 25,000 bpd at a maximum surface injection pressure of 2,401 psi (.2 psi/ft gradient – maximum pressure will be adjusted If the top of interval is modified after well logs are run).

Potential releases will be contained and cleaned up immediately. The operator shall repair or otherwise correct the situation within 48 hours before resuming operations. OCD will be notified within 24 hours of any release greater than 5 bbls. If required, remediation will start as soon as practicable. Operator shall comply with 19.15.29 NMAC and 19.15.30 NMAC, as necessary and appropriate.

C- 108 Item VII
Produced Water Analyses

Sims 8 SWD #1

Item VII.4- Water Analysis of Source Zone Water

Delaware
Bone Spring

Item VII.5- Water Analysis of Disposal Zone Water

Devonian

Water Analyses follow this page.

wellname	api	section	township	range	unit	ph	ph_temp_F	specificgravit	specificgravit	tds_mgL	resistivity_oh	resistivity_oh	conductivity	conductivity_	sodium_mgL	calcium_mgL	iron_mgL	barium_mgL	magnesium_	potassium_m	strontium_m	manganese_	chloride_mgl	carbonate_m	bicarbonate_	sulfate_mgL	hydroxide_m	h2s_mgL
EUNICE MONUMENT SOUTH UNIT B #856	3002504224	11	20S	36E	F	6.9		1.017		20982.4					5807.07	1131.92	0.5085	0.4068	542.061	320.355	17.289		11545	0	1015.98	959.031		
EUNICE MONUMENT SOUTH UNIT B #920	3002504299	23	20S	36E	O	7.7		1.011		18540.6					5250.12	913.944	0.6066	0.9099	409.455	218.376	17.187		9619.66	0	1318.34	995.835		
EUNICE MONUMENT SOUTH UNIT B #856	3002504224	11	20S	36E	F	6.98		1.016		20715.6					5785.1	1089.15	0.2032	0.9144	521.208	278.384	14.224		11284.7	0	1151.13	921.512		
EUNICE MONUMENT SOUTH UNIT B #920	3002504299	23	20S	36E	O	7.39		1.016		18511.9					5154.17	880.872	0.2032	0.09144	506.984	291.592	20.32		9947.66	0	1036.32	970.28		
EUNICE MONUMENT SOUTH UNIT B #890	3002504266	14	20S	36E	P	6.38		1.017		20081.8					5568.07	1112.6	0.4068	0.5085	466.803	277.641	12.204		10711	0	1342.44	931.572		
J R PHILLIPS GAS COM #001	3002504130	1	20S	36E	A					13609													4934		615	3330		
NORTH MONUMENT G/SA UNIT #004	3002504139	1	20S	36E	D					8344																		
NORTH MONUMENT G/SA UNIT #013	3002504151	1	20S	36E	M					18000													8500		1300	2250		
NORTH MONUMENT G/SA UNIT #013	3002504151	1	20S	36E	M					11200													6000		630	530		
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N					14980																		
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N					33835													17060		812	3691		
NEW MEXICO E STATE NCT-1 #002	3002504152	1	20S	36E	N	0				14980						974			88			88	2443			5992		
NORTH MONUMENT G/SA UNIT #002	3002504166	2	20S	36E	B					13866													7265		1604	0		
NORTH MONUMENT G/SA UNIT #007	3002504168	2	20S	36E	G					145491													85640		952	5710		
W P BYRD BATTERY 2 #004	3002504235	12	20S	36E	C					6973													3636		644	55		
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M					17248													9595		1262	205		
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M					14808													7532		601	1375		
STATE A #005	3002504259	13	20S	36E	I					7270													3200		1720	177		
STATE A #005	3002504259	13	20S	36E	I					9936													4800		1560	125		
EUNICE MONUMENT SOUTH UNIT B #885	3002504272	14	20S	36E	K					49286													31110		899	1618		
EUNICE MONUMENT SOUTH UNIT B #885	3002504272	14	20S	36E	K					15994													7207		1380	1746		
SANDERSON AB 14 #002	3002504277	14	20S	36E	D					165217													99940		695	1291		
NEW #001	3002504350	26	20S	36E	A					79120													47790		1445	738		
NEW #001	3002504350	26	20S	36E	A					44140													26230		1461	93		
STATE WEI 32 #001	3002504374	32	20S	36E	O					177450																		
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	5.7		1.021		22833.3					6246.48	611.579	0.5105	0.7147	425.757	1612.16	12.252		11595.5	0	1519.25	1288.5		439.03
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	6.49		1.015		18389.9					5174.47	871.885	0.203	1.015	449.645	229.39	16.24		9440.51	0	1388.52	1094.17		
EUNICE MONUMENT SOUTH UNIT B #900	3002504297	23	20S	36E	B	5.95		1.02		20611.1					5425.38	601.8	0.612	0.714	309.06	1720.74	15.3		9911.34	0	1579.98	1458.6		336.6
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M			1.011	60		0.518	65	19323	64	4368	520			412				7532		601	1375		
SANDERSON A #010	3002504270	14	20S	36E	A	6.9				229400													134700		146	5340		
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	8.8		1.003	77	10905	0.91		12192	67	2829	740			66				2350		1220	3700		
SANDERSON A #010	3002504270	14	20S	36E	A	6.7				48300													26700		1150	2340		
SANDERSON A #010	3002504270	14	20S	36E	A	6.9				45900													25200		1240	2290		
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7.1		1.025	60	40497	0.22		49728	67	12952	1680			330				20800		1390	3100		245
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7		1.06	70	71407	0.1		82720	67	24177	2320			510				29800		810	3500		290
NORTH MONUMENT G/SA UNIT #001	3002504165	2	20S	36E	A	7.7		1.023		27045	0.258		34476	67	7815	1670			360				14500		1370	1020		310
EUNICE MONUMENT SOUTH UNIT #102	3002504326	25	20S	36E	A	7		1.291	72		0.073	65	137731	64	32533	107798			10909				247872		1091	30984		
EUNICE MONUMENT SOUTH UNIT B #891	3002504254	13	20S	36E	M	8		1.01		17249	0.433	65	23093	67	4848	904			434				9595		1262	205		
STATE J D COM. #001	3002524153	29	20S	36E	K	8				8220					2292	288			247			247	4080		1151	24		
EUNICE MONUMENT SOUTH UNIT #162	3002504419	36	20S	36E	I	7.7				13871					4137	49			296			296	6780		1751	417		
NEW #001	3002504350	26	20S	36E	A	7.15				79191													47803		1448	739		
NORTH MONUMENT G/SA UNIT #005	3002520193	2	20S	36E	E					11847													6090		1756	0		
EUNICE MONUMENT SOUTH UNIT #107	3002504320	25	20S	36E	F	7.4				46200					14600	680			1590			1590	27000		1920	401		
EUNICE MONUMENT SOUTH UNIT #107	3002504320	25	20S	36E	F	7.8				65800					20800	1600			2000			2000	39600		1120	703		
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.4				18800					5520	650			559			559	10100		1410	512		
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.7				18200					5560	530			523			523	10000		1070	558		
EUNICE MONUMENT SOUTH UNIT #104	3002504321	25	20S	36E	C	7.6				52098					16683	863			1798			1798	31813		104	837		
SANDERSON A #010	3002504270	14	20S	36E	A	7.3				105500													59000		793	5670		

C- 108 Item VIII
Geologic Information

Sims 8 SWD #1

The Devonian consist of carbonates including light colored dolomite and chert intervals interspersed with some tight limestone intervals. Several thick sections of porous dolomite capable of taking water are believed present within the subject formations in the area. Depth control data was inferred from deep wells to the south and east. If the base of Devonian come in as expected the well will only be drilled deep enough for adequate logging rathole.

At a proposed injection interval of 12,005-13,730' BGL (Below Ground Level) the well will TD at approximately 13,730'. Mud logging through the interval will ensure the target interval remains in Devonian and Silurian. Once Devonian is determined, the casing shoe depth will be set at an approximate maximum upper depth of 12,005 BGL. Injection will occur through the resulting openhole interval. Should mud or other logs indicate depth adjustment is required to exploit the desired formation as described; sundries with appropriate data will be filed with the OCD.

The Devonian is overlain by the Mississippian , Atoka, Strawn, Wolfcamp, Bone Spring, San Andres, Queen, Seven Rivers, Yates and Rustler.

Fresh water in the area is generally available from the Rustler formation and some alluvial deposits. State Engineer's records show water wells in a 5 mile radius with a depth to groundwater of 100- 250 feet.

Solaris Water Midstream, LLC
Sims 8 SWD #1
900’ FSL & 270’ FWL
Sec. 8 T. 20S., R. 36 E., Lea County NM

Estimated formation tops are:

Quaternary = 0’
Rustler anhydrite= 1700’
Top Salt= 1850’
Base Salt = 3050’
Yates = 3300’
Seven Rivers = 3600’
Queen = 4275’
San Andres = 4575’
Bone Spring = 6975’
Wolfcamp = 10100’
Strawn= 10350’
Atoka= 10475’
Mississippian= 10950’
Devonian= 12000’

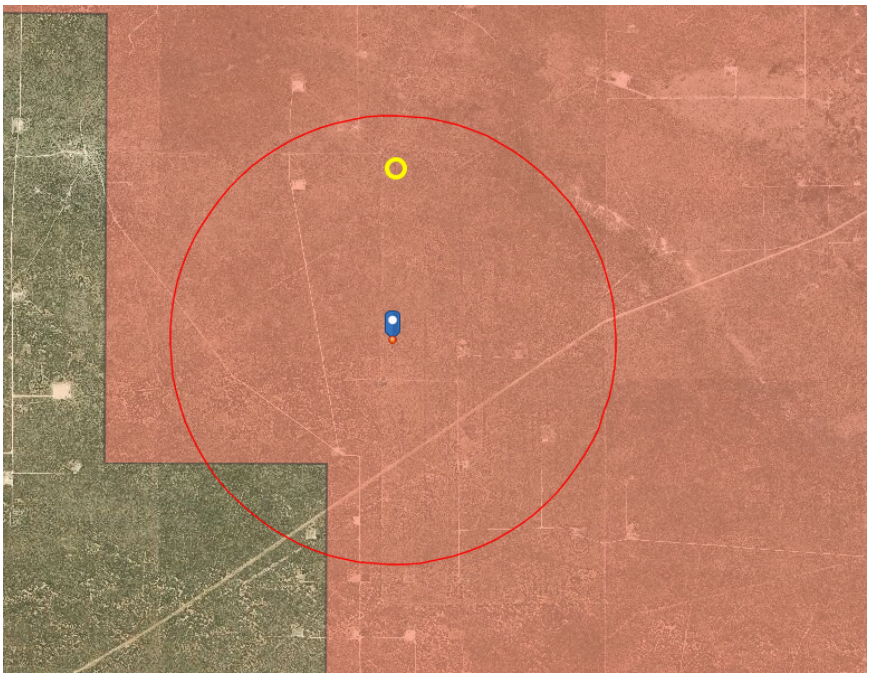
disposal interval= 12005’ - 13730’

TD= 13,730’

Montoya = 13,925’

C- 108 Item VIII & XI
Groundwater Basins- Water Column/ Depth to Groundwater
Water Wells in AOR

Sims 8 SWD #1 Water Well Map



The subject well is located within the Lea County Basin.

Three principal aquifers are used for portable groundwater in Lea County, these geologic units include the Triassic Santa Rosa formation, Tertiary Ogallala formation and Quaternary alluvium. State Engineer's records show water wells in surrounding area with an average depth to water at 700 ft.

There is 1 water well located within one mile of the proposed SWD.

EXHIBIT H

Analytical Repo

Lab Order **1905065**

Date Reported: **5/10/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Solaris Simm 8 SWD
Lab ID: 1905065-001 **Matrix:** AQUEOUS

Client Sample ID: 558 Section 8 WM
Collection Date: 4/26/2019 9:14:00 AM
Received Date: 5/2/2019 9:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **plr**	
N-Hexane Extractable Material	ND	10.3		mg/L	1	5/7/2019 11:11:00 AM	44759
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	840	50	*	mg/L	100	5/7/2019 12:00:08 PM	R59721
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	3400	20.0	*	mg/L	1	5/6/2019 11:48:00 AM	44707

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

EXHIBIT H

Analytical Repo

Lab Order **1905065**

Date Reported: **5/10/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Permits West
Project: Solaris Simm 8 SWD
Lab ID: 1905065-002 **Matrix:** AQUEOUS

Client Sample ID: 550 Section 5 WM
Collection Date: 4/26/2019 1:10:00 PM
Received Date: 5/2/2019 9:28:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 1664B						Analyst: **plr**	
N-Hexane Extractable Material	ND	11.4		mg/L	1	5/7/2019 11:11:00 AM	44759
EPA METHOD 300.0: ANIONS						Analyst: **smb**	
Chloride	160	5.0		mg/L	10	5/7/2019 12:12:59 PM	R59721
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: **KS**	
Total Dissolved Solids	770	20.0	*	mg/L	1	5/6/2019 11:48:00 AM	44707

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range

EXHIBIT H

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1905065

10-May-19

Client: Permits West

Project: Solaris Simm 8 SWD

Sample ID: MB-44759	SampType: MBLK	TestCode: EPA Method 1664B							
Client ID: PBW	Batch ID: 44759	RunNo: 59719							
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013808	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	ND	10.0								

Sample ID: LCS-44759	SampType: LCS	TestCode: EPA Method 1664B							
Client ID: LCSW	Batch ID: 44759	RunNo: 59719							
Prep Date: 5/7/2019	Analysis Date: 5/7/2019	SeqNo: 2013809	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
N-Hexane Extractable Material	32.8	10.0	40.00	0	82.0	78	114			
Silica Gel Treated N-Hexane Extrac	ND	10.0	20.00	0	0	64	132			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT H

WO#: 1905065

10-May-19

Client: Permits West

Project: Solaris Simm 8 SWD

Sample ID: MB	SampType: MBLK	TestCode: EPA Method 300.0: Anions							
Client ID: PBW	Batch ID: R59721	RunNo: 59721							
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013985	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: LCS	SampType: LCS	TestCode: EPA Method 300.0: Anions							
Client ID: LCSW	Batch ID: R59721	RunNo: 59721							
Prep Date:	Analysis Date: 5/7/2019	SeqNo: 2013986	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

EXHIBIT H

WO#: 1905065

10-May-19

Client: Permits West

Project: Solaris Simm 8 SWD

Sample ID: MB-44707	SampType: MBLK	TestCode: SM2540C MOD: Total Dissolved Solids							
Client ID: PBW	Batch ID: 44707	RunNo: 59654							
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010986	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	20.0								

Sample ID: LCS-44707	SampType: LCS	TestCode: SM2540C MOD: Total Dissolved Solids							
Client ID: LCSW	Batch ID: 44707	RunNo: 59654							
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2010987	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	20.0	1000	0	101	80	120			

Sample ID: 1905065-002BDUP	SampType: DUP	TestCode: SM2540C MOD: Total Dissolved Solids							
Client ID: 550 Section 5 WM	Batch ID: 44707	RunNo: 59654							
Prep Date: 5/3/2019	Analysis Date: 5/6/2019	SeqNo: 2011003	Units: mg/L						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	765	20.0						0.651	10	*

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits

C- 108 Item XII
Geologic Affirmation

Sims 8 SWD #1

GEOLOGIC AFFIRMATION

I have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and underground sources of drinking water.

Stephen Martinez
Sr. Vice President of Drilling

Project: Solaris Water Midstream, LLC
Sims 8 SWD #1

C- 108 Item XIII
Proof of Notification
Affected Parties List

Sims 8 SWD #1

Find address or place

Set location

3774 ft

025369

02 VB2695

01 06 05 04

MONUMENT DRAW

VB27490

NMNM 038478 11 12 07 08 09 10

NMLC 0031622B

NMNM 001151

NMNM 089875

VC5960 VC5570

20S 35E

Hobbs (1)

20S 36E

LG20612

VB6662 13 VB19161 18 17 VC2040 16 VC1650 15

NMNM 016835

NMNM 136225 14

E019230

NMNM 134889

B112948

A0137545 19 20 V042544

NMNM 018264

NMNM 027205 23 24 21 22

NMNM 089873

1km
0.6mi

-103.42294 32.60275 Degrees

Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMEN...

POWERED BY esri

Area of Review	Lease ID	Lessor	BLM or NMSLO Lessee (s) of Record
N2 of Sec 12	VB27490002	NMSLO	Ridge Runner Resources Operating LLC
SW4 of Sec 12	VC05960000	NMSLO	Ridge Runner Resources Operating LLC
SE4 of Sec 12	VC05570000	NMSLO	Ridge Runner Resources Operating LLC
W2 of Sec 13	VB06660002	NMSLO	Chevron USA Inc.
E2 of Sec 13	VB19180001	NMSLO	EOG Resources Inc.
N2 of Sec 18	LG20610002	NMSLO	COG Operating LLC
N2 of Sec 19 & N2SW4 of Sec 20	A013750045	NMSLO	Occidental Permian LTD.
N2 of Sec 20 & N2SE4 of Sec 20	V042540004	NMSLO	Chevron USA Inc.
NW4 &N2SW4 Sec 16	VC02040000	NMSLO	Trove Energy & Water LLC
NEWSW Sec 16	B112940008	NMSLO	Finley Resources Inc.
NE4 Sec 16	VC01650000	NMSLO	Trove Energy & Water LLC
	B031140010	NMSLO	ZPZ Delaware LLC
W2 Sec 9	NMNM-089873	BLM	Apache, Chevron & ZPZ
W2E2 & SESW Sec 9	NMNM-089875	BLM	Sanderson, Nesrsta & Thompson
NENE Sec 9	NMNM-0031622B	BLM	Sanderson, Nesrsta & Thompson
N2SE4 & NESW Sec 17	NMNM-134889	BLM	R&R Royalty LTD
SW4 Sec. 4	Liberty 4	Fee	
SWSE Sec. 4	Strickland Patent	Fee	
SE4 & S2SW4 Sec 5	Isaac O Allred	Fee	
SENE & E2SE4 Sec 7	Osudo 7 State	Fee	
S2 Sec 8	Heirs of Jesse Allred patent	Fee	
SENE & NESE Sec 9	Love Patent	Fee	
N2 Sec 17	Isaac O Allred Jr. Patent	Fee	

Parcel Report - Sims 8 SWD #1

OWNER NAME 1	MAILING ADDRESS	MAILING CITY	MAILING STATE	MAILING ZIP	ACRES	APN
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	280.88	4000420050008
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420090016
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	364.33	4000420100016
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	320	4000420090015
WILLIAM E JOHNSTON	PO BOX 234	MONUMENT	NM	882650234	160	4000403920002
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	227.88	4000412520005
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	640.68	4000412520009
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	160	4000412520003
DALE COOPER	PO BOX 6	MONUMENT	NM	882650006	520	4000404930001
J W MANSELL	1134 BRAUNE RD	ABILENE	TX	796039016	80	4000414170001
S & S INC	PO BOX 1046	EUNICE	NM	882311046	284.43	4000201071001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	360	4000420090001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	478.75	4000420090014
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	236.87	4000420090013
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420100014
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	320	4000420080001
S & S INC	PO BOX 1046	EUNICE	NM	882311046	275.67	4000201071002
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	480.6	4000412520008
DALE COOPER	PO BOX 6	MONUMENT	NM	882650006	120	4000404930014
KYLE E JOHNSTON	1321 W COLLEGE LN	HOBBS	NM	882420828	637.18	4000423090008
KYLE E JOHNSTON	1321 W COLLEGE LN	HOBBS	NM	882420828	314.8	4000423090006
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	280	4000412520004
WILLIAM E JOHNSTON	PO BOX 234	MONUMENT	NM	882650234	160	4000403920001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	80	4000420110001
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	640	4000420100015
MAIN ST HOLDING CO	11413 W 104TH ST	OVERLAND PARK	KS	662142715	160	4000414050001
L & K RANCH LLC	PO BOX 1503	HOBBS	NM	882411503	560	4000412520010
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	637.54	4000420060005
PEARL VALLEY LIMITED PARTNERSHIP	PO BOX 1046	EUNICE	NM	882311046	355.57	4000420100017

SOLARIS WATER MIDSTREAM

January 15th, 2020

NOTIFICATION TO INTERESTED PARTIES

Via U.S. Certified Mail- Return Receipt Requested

To whom it may concern,

Solaris Water Midstream, LLC, Midland, Texas, has made an application to the New Mexico Oil Conservation Division to drill and complete, for salt water disposal, the Sims 8 SWD No. 1. The proposed commercial operation will be for produced water disposal from area operators. As indicated in the notice below, the well is located in Section 8, Township 20 South, Range 36 East in Lea County, New Mexico.

The published notice states that the interval will be from 12,005 feet to 13,730 feet into the Devonian and Silurian Formations.

Following is the notice to be published in the Hobbs News Sun, Hobbs, New Mexico on or about January 21st, 2019.

LEGAL NOTICE

Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706 filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Sims 8 SWD No. 1 will be located 900 feet from the South line and 270 feet from the West line, Section 8, Township 20 South, Range 36 East, Lea County, New Mexico. Produced water from area production will be commercially disposed into the Devonian and Silurian Formations at a depth of 12,005 feet to 13,730 feet at a maximum surface pressure of 2,401 psi and an average injection rate of 40,000 barrels per day. (Final completion depths may be adjusted per mudlogging and reported to the NMOCD on form C-105; pressure will remain at the standard gradient of 0.2 psi/ft of the uppermost injection interval depth). The proposed SWD well is located approximately 5 miles SW of Monument, NM.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505 (505) 476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, Gavilan Solutions, LLC, 505-360-9819 or email: awhite@gavilansolutions.com.

You have been identified as a party who may be interested as an offset lessee or operator.

You are entitled to a full copy of the application. A full copy in PDF format is available for immediate download with the link below.

URL Link: https://www.dropbox.com/sh/8xex60vx674kmdm/AAAn6QA01ERzwS6Uaqs3e55ta?dl=0

You may also receive a copy by emailing awhite@gavilansolutions.com with your request Please use a subject like Sims 8 SWD #1 request.

Thank you for your attention to this matter.

Whitney McKee
Solaris Water Midstream, LLC
Regulatory Specialist

C- 108 Item XIV
Proof of Notice
Legal Notice in Newspaper of General Circulation

Sims 8 SWD #1

Below is the affidavit of publication from the Hobbs Sun News.

LEGAL NOTICE
FEBUARY 1, 2020

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#35150

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
February 01, 2020
and ending with the issue dated
February 01, 2020.

Publisher

Sworn and subscribed to before me this
1st day of February 2020.

Business Manager

My commission expires
January 29, 2023
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-23

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL LEGAL

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#35150

67115886 00239069

ASHLEY WHITE
GAVILAN SOLUTIONS, LLC
4533 17TH AVE NE
RIO RANCHO , NM 87144

C- 108 Item XIV
Seismic Maps

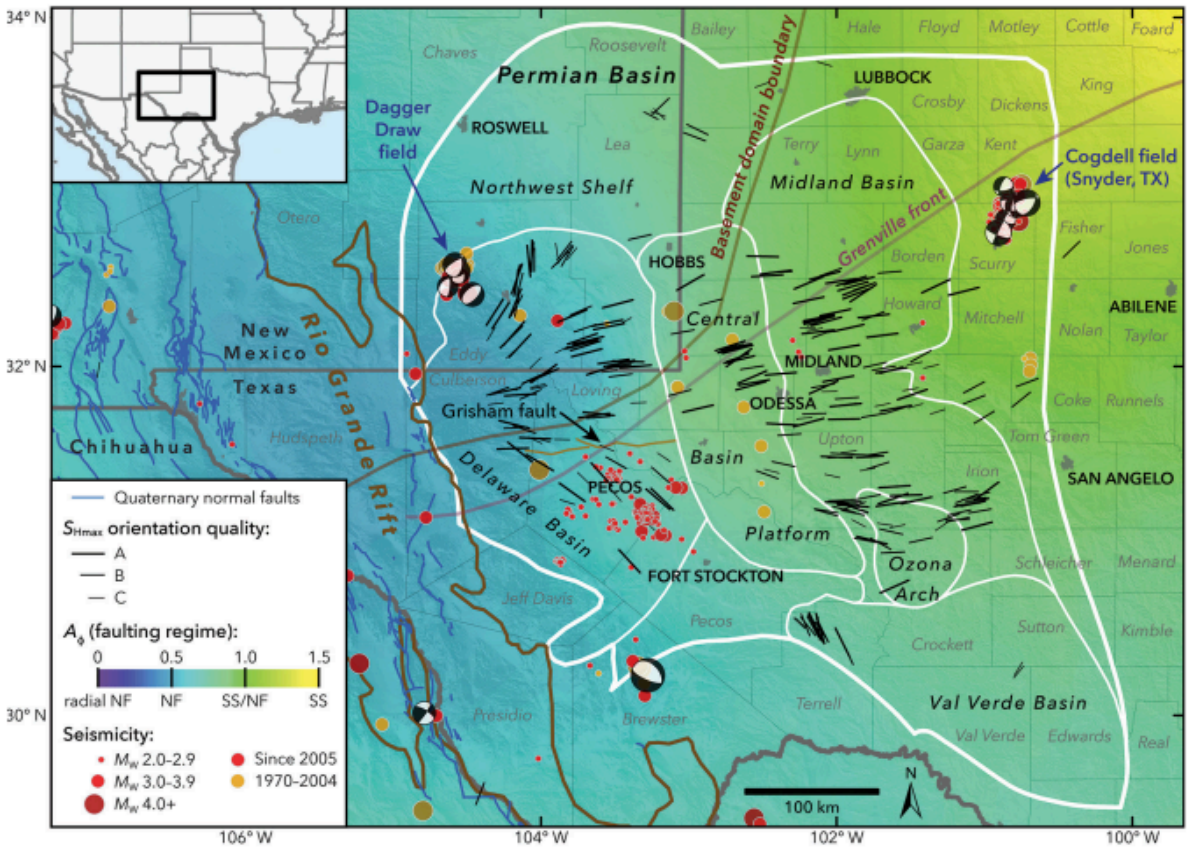

Figure 1. State of stress in the Permian Basin, Texas and New Mexico. Black lines are the measured orientations of S_{Hmax}, with line length scaled by data quality. The colored background is an interpolation of measured relative principal stress magnitudes (faulting regime) expressed using the A_ϕ parameter (see text for details) of Simpson (1997). Blue lines are fault traces known to have experienced normal-sense offset within the past 1.6 Ma, from the USGS Quaternary Faults and Folds Database (Crone and Wheeler, 2000). The boundary between the Shawnee and Mazatzal basement domains is from Lund et al. (2015), and the Precambrian Grenville Front is from Thomas (2006). The Permian Basin boundary is from the U.S. Energy Information Administration, and the subbasin boundaries are from the Texas Bureau of Economic Geology Permian Basin Geological Synthesis Project. Earthquakes are from the USGS National Earthquake Information Center, the TexNet Seismic Monitoring Program, and Gan and Frohlich (2013). Focal mechanisms are from Saint Louis University (Herrmann et al., 2011).

Solaris Water Midstream, LLC
Sims 8 SWD #1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1

Well Information	
Lease Name	Sims 8 SWD
Well No.	1
Location	S 8 T20S - R36E
Footage Location	900' FSL & 270' FWL

2

a) Wellbore Description

Casing Information				
Type	Surface	Intermediate 1	Intermediate 2	Liner
OD	16"	13.375"	9.625"	7.625"
WT	84 lb/ft	68 lb/ft	53.50 lb/ft	39 lb/ft
ID	15.010"	12.415"	8.535"	6.625"
Drift ID	14.822"	12.259"	8.500"	6.500"
Weight	84 lb/ft	68 lb/ft	53.50 lb/ft	39 lb/ft
Grade	K-55	N-80	HCP-110, BTC	P-110, FJ
Hole Size	18-1/8"	14-3/4"	12-1/4"	8-1/2"
Depth Set	2,000	6,000	10,218	12,005
open hole from 12,005' to 13,730'				

b) Cementing Program

Cement Information				
Casing String	Surface	Intermediate 1	Intermediate 2	Liner
Lead Cement	100 Class C Premium	65:35 Class C Premium Compass Poz-Mix	100 TXI Lightweight Cement	70:30 Class H Premium COP-18
Lead Cement Volume (sacks)	565	1,560	Stage 1 Lead: 435 Stage 2 Lead: 875	205
Lead Cement Density (ft3/sack)	13.5	12.7	Stage 1 Lead: 11.2 Stage 2 Lead: 11.8	14.6
Tail Cement	100 Class C Premium	60:20:20 Class H Premium	85:15 Class H Premium CPO-18	-
Tail Cement Volume (sacks)	210	570	Stage 1 Tail: 755 Stage 2 Tail: 165	-
Tail Cement Density (ft3/sack)	14.8	14.8	Stage 1 Tail: 15.0 Stage 2 Tail: 14.8	-
Cement Excess	100% 100%	350% 200%	Stage 1 Lead/Tail: 50% Stage 2 Lead/Tail: 0%	60%
Total Sacks	775	2,130	2,230	210
TOC	Surface	Surface	Stage 1: 5,900 Stage 2: Surface	10,018
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3 Tubing Desctiption

Tubing Information	
OD	5.5" 5.0"
WT	20# 18#
ID	4.778" 4.276"
Drift ID	4.653" 4.151"
Weight	20# 18#
Grade	P-110